

Docket: 14445.01

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:

Matthew P. Dugas

Application No.:

10/600,561

Filing Date:

June 19, 2003

Examiner:

Unknown

Title:

Optical Path for a Thermal-Assisted

Magnetic Recording Head

Group Art Unit:

2651

## INFORMATION DISCLOSURE STATEMENT **UNDER 37 CFR § 1.97(B)**

Commissioner for Patents P. O. Box 1450

Alexandria, VA 22313-1450

I hereby certify that this document is being sent via First Class U.S. mail addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this day of \_\_\_\_\_\_\_, 2003.

(Signature)

Dear Sir:

Pursuant to 37 CFR § 1.97(b), the references listed on the attached Form PTO-1449 (1 sheet, submitted in duplicate) are brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the identified references are enclosed as necessary. This IDS is being filed before the mailing of a first office action on the merits. In accordance with 37 CFR § 1.97(b), no statement or fee is required.

Respectfully submitted,

DORSEY & WHITNEY LLP **Customer Number 25763** 

Date: Dec. 8, 2003

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCÉ

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of

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	Application Number	10/600,561
i	Filing Date	June 19, 2003
	First Named Inventor	Matthew P. Dugas
	Art Unit	2651
	Examiner Name	Unknown
	Attorney Docket Number	14445.01

U.S. PATENT DOCUMENTS							
*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		US- 3,192,608	07/06/1965	H. Rinia et al.			
		US- 3,417,386	12/17/1968	R. A. Schneider	12-1		
		US- 3,699,334	10/14/1972	Murray F. Cohen et al.			
		US- 4,298,899	11/03/1981	Argumedo et al.			
		US- 4,457,803	07/03/1984	Tadahiro Takigawa			
		US- 4,535,376	08/13/1985	Nobour Nomura et al.			
		US- 4,685,012	08/04/1987	Hendrik. J. De Wit et al.			
		US- 4,758,304	07/19/1988	John R. McNeil et al.			
		US- 5,016,342	05/21/1991	Raghavan K. Pisharody et al.	**************************************		
		US- 5,035,787	07/30/1991	Norman W. Parker et al.			
		US- 5,067,230	11/26/1991	Paul-Louis Meunier et al.			
		US- 5,086,015	02/04/1992	Fumikazu Itoh et al.			
		US- 5,093,980	03/10/1992	Fracois Maurice et al.			
		US- 5,189,580	02/23/1993	Raghavan Pishardy et al.			
		US- 5,211,734	05/18/1993	Koijro Yagami et al.			
		US- 5,301,418	04/12/1994	Franciscus W.A. Dirne et al.			
		US- 5,402,295	03/28/1995	Hiroshi Suzuki et al.			
		US- 5,405,734	04/11/1995	Kazno Aita			
		US- 5,452,166	09/19/1995	Pedro A. Aylwin et al.			
		US- 5,567,333	10/22/1996	Yasuo Hira et al.			
		US- 5,572,392	11/05/1996	Joseph A. Aboaf et al.			
		US- 5,639,509	06/17/1997	Terence D. Schemmel	· · ·		
		US- 5,652,015	07/29/1997	Joseph A. Aboaf et a.			
		US- 5,675,461	10/07/1997	Pedro A. Aylwin et al.			
		US- 5,689,384	11/18/1997	Thomas R. Albrecht et al.			
		US- 5,572,392	11/05/1996	Joseph A. Aboaf et al.			
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**EXAMINER SIGNATURE** 

**DATE CONSIDERED** 

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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Examiner Name	Unknown
Attorney Docket Number	14445.01

## **U.S. PATENT DOCUMENTS**

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*Examiner Cite DOCUMENT NUMBER Initials No. Number - Kind Code (if known)						Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US- 5,677,011	10/14/1997	,	Masahiro Hatakeyam	a	
	US- 5,737,826	04/14/1998		Steven B. Slade et al	•	
US- 5,715,597		02/10/1998		Pedro A. Aylwin et al.	•	
	US- 5,719,730			Jei-Wei Chang et al.		
US- 5,726,841 US- 5,751,526		03/10/1998		Hua-Ching Tong et a	l.	
		05/12/1998		Terence D. Schemme		
	US- 5,752,309			Charles Partee et al.		
	US- 5,822,159	10/13/1998		Munekatsu Fukuyama et al.		
	US- 5,986,978	11/16/1999	l	Robert E. Rottmayer	et al.	
	US- 5,831,792	11/03/1998		Raju S. Anath		
	US- 6,016,290	01/18/2000		Hong Chen et al.		
US- 6,130,863		10/10/2000		Yugang Wang et al.		
	US- 6,404,706	06/11/2002		Ross W. Stovall et al.		
	US- 6,496,328	12/17/2002		Matthew P. Dugas		
	US- 6,269,533	08/07/2001		Matthew P. Dugas		
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	No.	Number - Kind Code (if known)  US- 5,677,011  US- 5,737,826  US- 5,715,597  US- 5,719,730  US- 5,726,841  US- 5,751,526  US- 5,752,309  US- 5,822,159  US- 5,986,978  US- 5,831,792  US- 6,016,290  US- 6,130,863  US- 6,496,328	Cite No.         DOCUMENT NUMBER Number - Kind Code (if known)         Publication MM-DD-YY           US- 5,677,011         10/14/1997           US- 5,737,826         04/14/1998           US- 5,715,597         02/10/1998           US- 5,719,730         02/17/1998           US- 5,726,841         03/10/1998           US- 5,751,526         05/12/1998           US- 5,752,309         05/19/1998           US- 5,822,159         10/13/1998           US- 5,986,978         11/16/1999           US- 5,831,792         11/03/1998           US- 6,016,290         01/18/2000           US- 6,404,706         06/11/2002           US- 6,496,328         12/17/2002           US- 6,269,533         08/07/2001	DOCUMENT NUMBER   Number - Kind Code (if known)   MM-DD-YYYY	Number - Kind Code (if known)   MM-DD-YYYY   Applicant of Cited Dr.	DOCUMENT NUMBER   Number - Kind Code (if known)   Number - Num

PTO/SB/08A (10/01) (modified) U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Filing Date June 19, 2003 INFORMATION DECLOSERE First Named Inventor Matthew P. Dugas STATEMENT BY APPLICANT Art Unit 2651 (use as many sheets as necessary) **Examiner Name** Unknown Sheet 3 of 4 Attorney Docket Number 14445.01 FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENT Country Pages, Columns, Lines, TRANSLATION Number - Kind Code Cite **Publication Date** Name of Patentee or Where Relevant Passages Code: (if known) Initial No. MM-DD-YYYY Applicant of Cited Document or Relevant Figures Appear YES NO EP 0913813 A2 05/06/1999 Hewlett-Packard П Company JP 03269804 A 12/02/1991 Hitachi Maxell Ltd. JP 09219006A 08/19/1997 Sony Corp. JP 06333210 A Mitsubishi Electric Corp 12/02/1994 JP 4-91317 03/24/1992 Nissan Motor Co. Ltd. JP 2-97659 04/10/2001 Sumitomo Electric Ind Ltd. Philips NV (NL) JP 2-288530 11/28/1990 JP 3-269804 12/02/1991 Hitachi Maxell Ltd. JP 5-159960 06/25/1993 Mitsubishi Electric Corp JΡ 6-151667 05/31/1994 Mitsubishi Electric Corp JP 6-35569 02/10/1994 Funai Electric Co. Ltd. JP 7-187016 Nissan Motor Co. Ltd. 07/25/1995 JP 59-8833 01/18/1984 Maeda Kensetsu Kogyo JΡ 60-78347 05/12/1993 American Telephone & Telegraph JP 61-291074 Aisin Chem Co. Ltd.

**EXAMINER SIGNATURE** 

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**DATE CONSIDERED** 

Micrion Corporation

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INFORMATION DISCLOSURE			OSLIDE	Filing Date June 19, 2003							
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STATEMENT BY APPLICANT						Art Unit	2651				
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			ОТ	HER	DOCUM	IENTS - NON	I-PATENT LITERATURE	DOCUMENTS			
*Examiner	Cite	Ī		nclude r	name of the a	author (in CAPITAL	LETTERS), title of the article (when	ETTERS), title of the article (when appropriate), title of the ymposium, catalog, etc.), date, page(s), volume-issue			
Initials	No.			Ilein			rack-following servos for linear tape drives", Data			NO	
					mas et al., ber 1997	"Time-based, ti					
		IBM TDB "Hybrid Thin R W Head with E 682, Jul. 1976					Bonding by Laser Beam" vol.	19, issue No. 2, pp. 681-			
	Monigle, William C. "FIBs Probe and Fix Semiconductor Problems", Test & Measure World, May 1998.						Test & Measurement				
			Li, Yiqun, et al., "Magnetic Properties and Crystal Struture of FeTaAIN soft magnetic materials for MIG head (abstract), J. Appl. Phys. 79 (8), 15 April 1996								
			McDermott, Michael, "Head Makers Discovery Focused Ion Beams", Data Storage, Mar. 1998.								
EXAMINER SIGNATURE DATE CONSIDERED											
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